

Sir:

Transmitted herewith for filing is the patent application of

Inventor: Tan Du

For: METHOD AND CIRCUIT FOR OPERATING A VOICE COIL ACTUATOR OF A MASS DATA STORAGE DEVICE

Enclosed are:

- ☒ 4 sheets of informal drawing.
- ☐ An assignment of the invention to Texas Instruments, Inc.
- ☐ A certified copy of a \_\_\_\_\_ application
- ☐ An associate power of attorney.
- ☒ 23 pages of specification, claims, abstract, and unexecuted combined declaration and power of attorney\_\_
- ☐ Checks in the amount of \$\_\_\_\_\_ and \$\_\_\_\_\_.

The filing fee has been calculated as shown below:

|  | (Col. 1)  |     | (Col. 2)  |   | SMALL ENTITY |     | OTHER THAN A SMALL ENTITY |            |
|--|-----------|-----|-----------|---|--------------|-----|---------------------------|------------|
| FOR:   | NO. FILED |     | NO. EXTRA |   | RATE         | FEE | OR                        | RATE       |
| BASIC FEE  |           |     |           |   |              |     |                           | \$760.00   |
| TOTAL CLAIMS   | 27        | -20 | 7         | X | 9            |     | X                         | 18         |
| INDEP CLAIMS   | 5         | -3  | 2         | X | 39           |     | X                         | 78         |
| MULTIPLE DEPENDENT CLAIMS PRESENTED                                  |           |     |           |   |              |     |                           |            |
| *If the difference in Col. 1 is less than zero, enter "0" in Col. 2. |           |     |           |   | TOTAL        |     | TOTAL                     | \$1,042.00 |

Please charge deposit account no. 20-0668 the amount of \$1,042.00 to cover the filing fee. A duplicate copy of this sheet is enclosed.

- ☐ A check in the amount of \$\_\_\_\_\_ to cover the filing fee is enclosed. A check in the amount of \$\_\_\_\_\_ is enclosed for recording assignment.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 20-0668. A duplicate copy of this sheet is enclosed.
- ☒ Any additional filing fees required under 37 CFR 1.16.
- ☒ Any patent application processing fees under 37 CFR 1.17.
- ☐ The Commissioner is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account 20-0668. A duplicate copy of this sheet is enclosed.
- ☐ Any patent application processing fees under 37 CFR 1.17.
- ☐ The issue fee set in 37 CFR 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 CFR 1.311(b).
- ☐ Any filing fees under 37 CFR 1.16 for presentation of extra claims.

*Richard A. Bachand*  
Richard A. Bachand Reg. No. 25,107  
5353 Wyoming Blvd., NE, Suite 3  
Albuquerque, New Mexico 87109-3132  
Tel: (505)823-1993

December 16, 1999

Best Available Copy

12-2-99  
A  
jc675 U.S. PTO  
09/464315  
12/16/99

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
Applicants: Tan Du and John K. )  
Rote ) Group Art Unit:  
Serial No. ) Examiner:  
Filed: Herewith )  
For: METHOD AND CIRCUIT FOR )  
OPERATING A VOICE COIL ACTUATOR )  
OF A MASS DATA STORAGE DEVICE )

CERTIFICATE OF MAILING BY EXPRESS MAIL

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The undersigned hereby certifies that the following documents:

1. Patent application (23 pages), with attached unexecuted combined declaration and power of attorney
2. 4 Pages of informal drawing
3. Transmittal Form PTO-1082(Modified) authorizing filing fees to be charged to deposit account
4. IDS with copies of references
5. Form PTO-1619A
6. Certificate of Mailing by Express Mail
7. Return postcard

relating to the above application, were deposited as "Express Mail", Mailing Label No. EL025618412US with the United States Postal Service, addressed to The Assistant Commissioner for Patents, Washington, D.C., 20231, on December 16, 1999.

12-16-1999  
Date

Dec. 16, 1999  
Date

Cindy L. Swaims  
Mailer: Cindy L. Swaims

Richard A. Bachand  
Richard A. Bachand  
Reg. No. 25,107  
Attorney for Assignee

5353 Wyoming Blvd., NE, Suite 3  
Albuquerque, New Mexico 87109-3132  
Tel: (505) 823-1993  
December 16, 1999